

ABSTRACT OF THE DISCLOSURE

The invention uses both heating and cooling zones to prevent the precipitation of solids onto equipment surfaces until they are efficiently removed from the gas phase via one
5 or more heat exchangers. Each heat exchanger may be regenerated to melt off the solids when the amount collected becomes excessive. A storage plenum is available under each heat exchanger to store the melted solids until final removal to avoid the need to open the equipment for the removal of the unwanted solids.